

Instrument Failure

1. Check All generator fuses
2. Error Code 30 common faults
 - a. Doors not shut
 - b. CFF not cleared
 - c. LED's not coming on
 - d. S1 & S2 out of alignment
 - e. Rip cord is detached
 - f. S655 and S656 are not ok
 - g. Goiniometer is not initialized
 - h. Bad Powder
 - i. Water Flow
 - j. BAD HV B-20 card
3. D8 tools indicate a 24V/AC alarm
 - a. Bad fuse
4. Bad Floppy in D8 controller
5. Error code 1
 - a. Bad tube
 - b. Bad cable
 - c. Bad fuse(s) in generator
 - i. F2 fuse bad
 - d. Inverter in Generator
6. Error Code 5
 - a. Bad B-20 card
 - i. Replace capacitor on board
7. Error code 22
 - a. Reset circuit breaker on generator
8. Error code 53
 - a. Software reset of parameters in generator
 - b. Select EDIT – Parameter OK
 - i. GET PARAMETERS

- ii. Hold down all 4 generator buttons for test
- 9. Flow rate < 1
 - a. Flow switch is plugged
- 10. LED on standby flashes
 - a. Water is contaminated
- 11. Ready light LED will not come on
 - a. Fusers f6 and f7 are bad

SHUTTER FAILURE ON SMART

- 1. Main shutter will not open or will only open with override key.
 - a. Rotary shutter error. Depress buttons on shutter and wait for green light.
- 2. Main shutter opens but then shuts immediately.
 - a. Bulb on tube housing burned (12V .06A T1 MINIATURE FLANGE BASE). Replace bulbs

SHUTTER on APEX

- 1. Check D8 tools.
- 2. S1 & S2 adjustment (see how-to-adjust-s1&s2)
- 3. Shutter will not close
 - a. B103 board is bad
- 4. Rip cord detached